

FIG.1

202	IN-SERVICE	204				206				200	
		PRODUCT A				PRODUCT B					
		COUNT	PRICE	VINTAGE	LOCATION	COUNT	PRICE	VINTAGE	LOCATION		
		1	\$100	1990	TN	1	\$130	1993	SC		
220	RE-USE	2	\$100	1991	GA	2	\$14000	1994	NC	FIG	
		3	\$125	1992	TN	3	\$150	1994	TN		
			
		N	\$140	2001	FL	K	\$215	2001	GA		
226	NEW	COUNT	PRICE	VINTAGE	LOCATION	COUNT	PRICE	VINTAGE	LOCATION		
		1	\$100	1990	GA	1	\$130	1993	NC		
		2	\$105	1990	SC	2	\$130	1993	TN		
		3	\$100	1891	FL	3	\$150	1994	AL		
228	PRODUCT A		FIG
			
		X	\$180	2001	NC	Y	\$210	2001	SC		
			
230	PRODUCT A	COUNT	PRICE	VINTAGE	LOCATION	COUNT	PRICE	VINTAGE	LOCATION		
		1	\$170	1999	TN	1	\$200	1999	TN		
		2	\$175	1999	GA	2	\$205	2000	FL		
		3	\$180	2000	NC	3	\$205	2000	AL		
232	PRODUCT B	FIG	
			
			
		W	\$180	2001	TN	Z	\$210	2001	SC		

FIG.2

300

302	304	306
<u>PRODUCT TYPE</u>	<u>PRICE</u>	<u>VINTAGE</u>
PRODUCT A	\$142	1995
PRODUCT B	\$171	1996
⋮	⋮	⋮
PRODUCT Y	\$148	1995
PRODUCT Z	\$ 93	1993

FIG.3

400

402	404
<u>PRODUCT TYPE</u>	<u>SUBSTITUTIONS</u>
PRODUCT A	PRODUCT B, PRODUCT D
PRODUCT B	PRODUCT A, PRODUCT D
⋮	⋮
PRODUCT Y	PRODUCT O
PRODUCT Z	PRODUCT M

FIG.4

500

502	IN-SERVICE <u>PRODUCT TYPE</u>	504 <u>REDUCTIONS</u>	506 <u>ADDITIONS</u>
	PRODUCT A (\$142, 1995)	2	—
	PRODUCT B (\$171, 1996)	—	3
	•	•	•
	•	•	•
	•	•	•
	PRODUCT Y (\$148, 1995)	—	—
	PRODUCT Z (\$93, 1993)	—	1

504	RE-USE <u>PRODUCT TYPE</u>	508 <u>REDUCTIONS</u>
	PRODUCT A	4
	•	•
	•	•
	•	•
	PRODUCT Z	2

506	NEW <u>PRODUCT TYPE</u>	510 <u>REDUCTIONS</u>
	PRODUCT A	1
	•	•
	•	•
	•	•
	PRODUCT Z	0

FIG.5

FIG. 6 is a flowchart illustrating a process for inventory reconciliation. The process begins with step 602, "OBTAIN AN EXISTING INVENTORY RECORD AS A REFERENCE". This leads to step 604, "COMPARE PRICE AND VINTAGE FOR EACH INSTANCE OF EACH PRODUCT TYPE TO KNOWN HIGH AND LOW VALUES". A decision diamond 606 asks "ANY INSTANCES TOO HIGH OR LOW?". If "YES", step 608 "REMOVE THOSE INSTANCES THAT ARE TOO HIGH OR TOO LOW" is performed, followed by step 610 "STATISTICALLY DETERMINE REPRESENTATIVE PRICE AND VINTAGE VALUES FOR EACH PRODUCT TYPE - LOAD TABLES". If "NO", the process proceeds to step 612 "OBTAIN THE CURRENT CENTRAL INVENTORY RECORD FROM THE DATABASE". Both paths lead to step 614, "COMPARE PRICE AND VINTAGE FOR EACH INSTANCE OF EACH PRODUCT TYPE TO KNOWN HIGH AND LOW VALUES". A decision diamond 616 asks "ANY INSTANCES TOO HIGH OR LOW?". If "YES", step 618 "REMOVE THOSE INSTANCES THAT ARE TOO HIGH OR TOO LOW" is performed, followed by step 620 "COMPARE AN UPDATED COUNT FOR EACH PRODUCT TYPE TO THE CURRENT CENTRAL INVENTORY RECORD". If "NO", the process proceeds to step 622, "ALL PRODUCT TYPES RECONCILED?". A decision diamond 622 asks "ALL PRODUCT TYPES RECONCILED?". If "YES", step 624 "GENERATE REPORT SUMMARIZING ADDITIONS AND REDUCTIONS" is performed. If "NO", the process loops back to step 602.

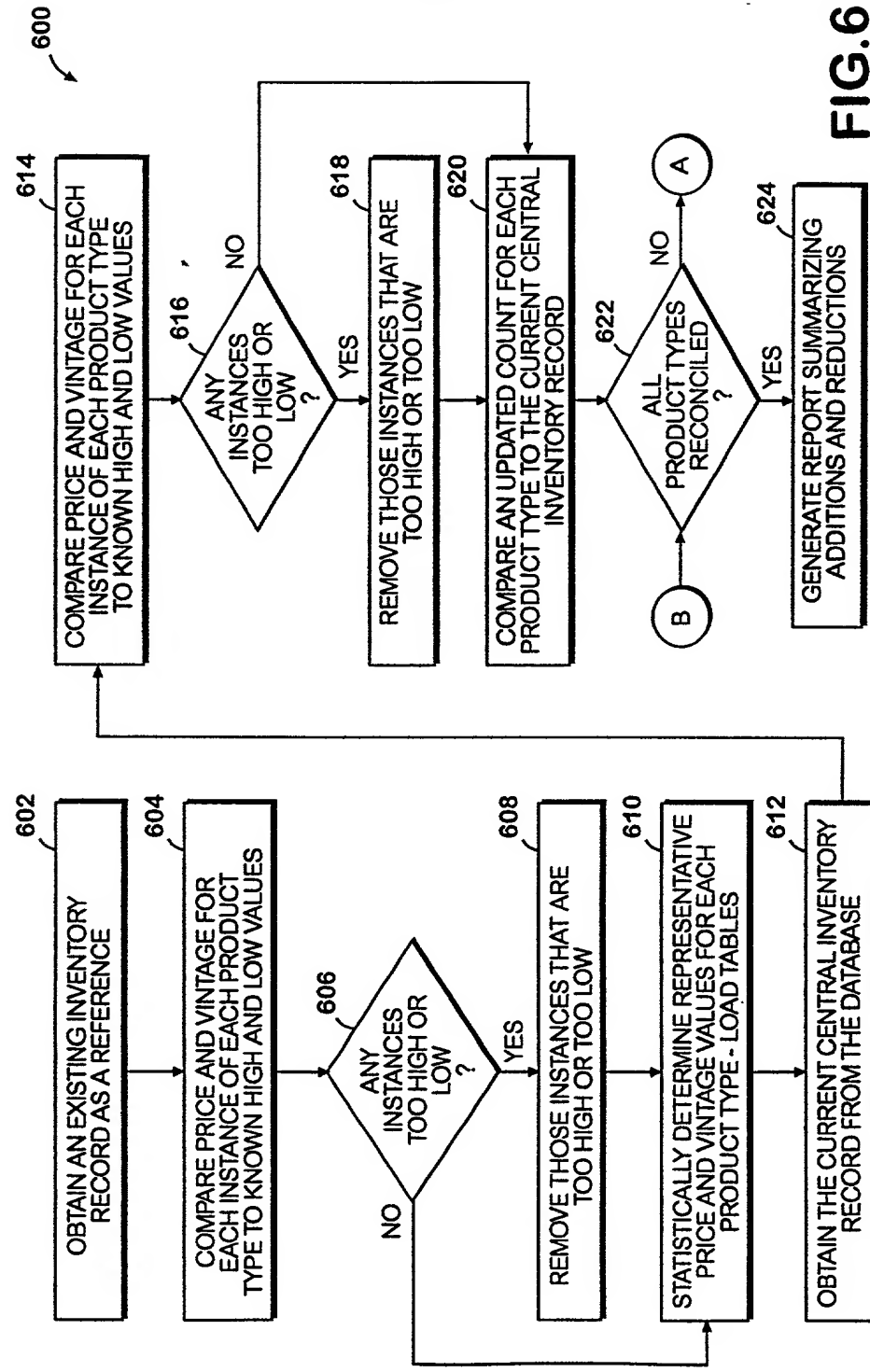


FIG.6



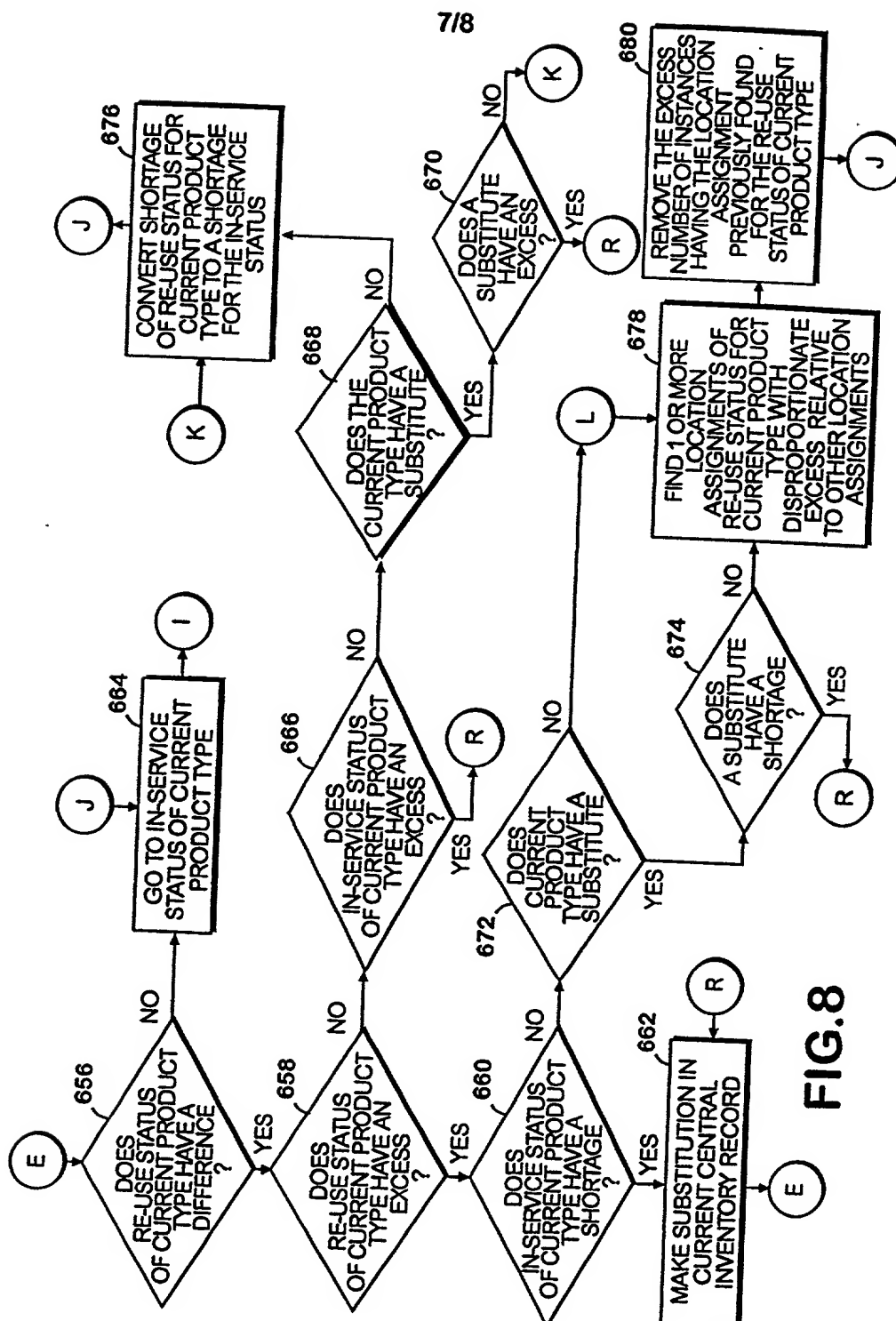


FIG. 8

